

## Native Streptococcus pneumoniae $\alpha$ (2→3) Neuraminidase

Cat. No. NATE-0757

Lot. No. (See product label)

### Introduction

**Description** Neuraminidase enzymes are glycoside hydrolase enzymes (EC 3.2.1.18) that cleave the glycosidic linkages of neuraminic acids. Neuraminidase enzymes are a large family, found in a range of organisms. The best-known neuraminidase is the viral neuraminidase, a drug target for the prevention of the spread of influenza infection. The viral neuraminidases are frequently used as antigenic determinants found on the surface of the Influenza virus. Some variants of the influenza neuraminidase confer more virulence to the virus than others. Other homologs are found in mammalian cells, which have a range of functions.

**Synonyms** neuraminidase; sialidase;  $\alpha$ -neuraminidase; acetylneuraminidase; exo- $\alpha$ -sialidase; EC 3.2.1.18; 9001-67-6

### Product Information

**Source** Streptococcus pneumoniae

**Form** buffered aqueous solution. Solution in 50 mM sodium phosphate, pH 7.5

**EC Number** EC 3.2.1.18

**CAS No.** 9001-67-6

**Pathway** Other glycan degradation, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, conserved biosystem

**Unit Definition** One unit will hydrolyze 1  $\mu$ mole of 4-methylumbelliferyl  $\alpha$ -D-N-acetylneuraminide per min at pH 5.0 at 37°C.

### Storage and Shipping Information

**Storage** 2-8°C